

Water Use Efficiency Annual Performance Report - 2011

WS Name: WEST SOUND WATER ASSOCIATION

Water System ID# : 45014 WS County: SAN JUAN

Report submitted by: Gary Sale

Meter Installation Information:

Estimate the percentage of metered connections: 100%

If not 100% metered – Did you submit a meter installation plan to DOH? No

Within your meter installation plan, what date did you commit to completing meter installation?

Current status of meter installation:

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period 09/01/2010 To 08/31/2011

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons	821,258 gallons
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Authorized Consumption (AC) – Annual Volume in gallons	644,419 gallons
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Distribution System Leakage – Annual Volume TP – AC	176,839 gallons
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Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$	21.5 %
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3-year annual average - %	%
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Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 06/06/2011

Has goal been changed since last performance report? No

Note: Customer goal must be re-established every 6 years through a public process.

Customer WUE Goal (Demand Side):

To promote member users' awareness of leak issues that can develop on their side of the meter, and related loss control principles and practices. With the goal of maintaining average annual per capita water usage by full time occupied residences below 50 gallons per day.

Customer (Demand Side) Goal Progress:

Goal of 50 gpd per capita usage is well under the AWWA standard of 70. Conservation rates apply above 3600 gal/month, which equates to about 60 gpd for the 2 person households that are typical in our membership. Our estimated per capita water use during the fiscal year 2010-2011 was 45 gpd.

Additional Information Regarding Supply and Demand Side WUE Efforts

Unauthorized consumption was 21.5%. This large number was due to a slow leak during winter of 2011 (and part of the Sept 2010 thru Aug 2011 fiscal year which is being reported.) This leak was known a year ago at the time the 8% goal was established for future years, and at the time this report was filed a year ago. We continue to believe that investments made over the past 12 months, plus additional investments planned for the next several months, will make the 8% goal reasonable and the experience over the past 12 calendar months has been lower than 8%.

Describe Progress in Reaching Goals:

- Estimate how much water you saved.
- Report progress toward meeting goals within your established timeframe.
- Identify any WUE measures you are currently implementing.
- If you established a goal to maintain a historic level (such as maintaining daily consumption at 65 gallons per person per day for the next two years) you must explain why you are unable to reduce water use below that level.

The following questions will help DOH better understand water usage, water resources management and drought response. The data will be used to provide technical assistance, not for regulatory purposes.

All questions are voluntary

Month	Date of Measurement	Static Water Level (feet below measuring point)	Dynamic Water Level (feet below measuring point)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

Water level data:

Please provide the following information (if known) to help us better utilize the water level data.

Well tag Id number:

Well depth:

Water level accuracy (within 0.01 ft < 1 ft ~ 1 ft)

Completion type (e.g., cased open interval, cased open-ended, cased open-ended with perforations, etc...)

Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft)

Water level parameter name (e.g. depth below measuring point, depth below top of casing, depth below ground surface)

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7)

Monthly/Seasonal Water Usage:

What was your maximum daily water demand for the previous year (in gallons per day)? _____

Month	Volume of Water Produced in gallons
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

Water shortage response:

Did you activate any level of water shortage response plan the previous year?

- ☐ Yes ☐ No ☐ There was no need to

If you activated a water shortage response plan the previous year, what level did you activate? (Check all that apply)

- ☐ Advisory Conservation ☐ Voluntary Conservation
☐ Mandatory Conservation ☐ Rationing ☐ Other

What factors caused your water shortage the previous year?

- ☐ Drought ☐ Fire ☐ Landslides ☐ Earthquakes
☐ Flooding ☐ Water Supply Limitations ☐ Other

Do not mail, fax, or email this report to DOH